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**(54) TRANSMISSION PRIORITY CLASSIFYING
SYSTEM FOR CSMA/CD TYPE NETWORK**

(57) Abstract:

PURPOSE: To attain efficient communication by changing the detection time of a frame gap to be an idle time on a transmission line in accordance with the difference of transmission priority in a transmission side terminal or transmission information at the time of transmitting the information from the terminal.

CONSTITUTION: In the case of monitoring an idle state on the transmission line (TL) 5 by a frame gap detection part 12 and transmitting the information from information processing equipments 1 to 4, the frame gap detection time for detecting the idle state on the TL 5 is set up to a short time at the time of transmission by the information processing equipments 1 to 4 with high transmission priority or the transmission of the information with the high priority in accordance with the difference of the priority allocated to the equipments 1 to 4 or the transmission information. The frame gap

detection time is set up to a long time at the time of the transmission by the equipments with low transmission priority or the transmission of the information with low priority to delay the acquisition of transmission right.

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